

L17 ANSWER 1 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:441672 HCAPLUS  
DN 147:451  
TI Therapeutic potential of the chemokine receptor CXCR4 antagonists as multifunctional agents  
AU Tsutsumi, Hiroshi; Tanaka, Tomohiro; Ohashi, Nami; Masuno, Hiroyuki; Tamamura, Hirokazu; Hiramatsu, Kenichi; Araki, Takanobu; Ueda, Satoshi; Oishi, Shinya; Fujii, Nobutaka  
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan  
SO Biopolymers (2007), 88(2), 279-289  
CODEN: BIPMAA; ISSN: 0006-3525  
PB John Wiley & Sons, Inc.  
DT Journal; General Review  
LA English  
RE.CNT 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:232481 HCAPLUS  
DN 146:243085  
TI Development of low molecular weight CXCR4 antagonists by exploratory structural tuning of cyclic tetra- and pentapeptide-scaffolds towards the treatment of HIV infection, cancer metastasis, and rheumatoid arthritis  
AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Masuno, Hiroyuki; Fujii, Nobutaka  
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan  
SO Current Medicinal Chemistry (2007), 14(1), 93-102  
CODEN: CMCHE7; ISSN: 0929-8673  
PB Bentham Science Publishers Ltd.  
DT Journal; General Review  
LA English  
RE.CNT 100 THERE ARE 100 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:70096 HCAPLUS  
TI Development of the chemokine receptor CXCR4 antagonists as multi-pharmaceutical agents involving a new class of low molecular weight antagonists  
AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Hiramatsu, Kenichi; Araki, Takanobu; Ueda, Satoshi; Oishi, Shinya; Masuno, Hiroyuki; Tanaka, Tomohiro; Ohashi, Nami; Mizokami, Satoko; Ogawa, Teppei; Wang, Zixuan; Peiper, Stephen C.; Trent, John O.; Nakashima, Hideki; Yamamoto, Naoki; Fujii, Nobutaka  
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Tokyo, 101-0062, Japan  
SO Peptide Science (2006), 43rd, 279  
CODEN: PSCIFQ; ISSN: 1344-7661  
PB Japanese Peptide Society  
DT Journal  
LA English  
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:70079 HCAPLUS  
TI Development of chemical probes for the chemokine receptor CXCR4 involving radiolabeled T140 analogs  
AU Tamamura, Hirokazu; Hanaoka, Hirofumi; Tsutsumi, Hiroshi; Ohashi, Nami; Tanaka, Tomohiro; Mori, Tomohiko; Mukai, Takahiro; Doi, Ryuichiro; Saji, Hideo; Fujii, Nobutaka

CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Tokyo, 101-0062, Japan  
SO Peptide Science (2006), 43rd, 254  
CODEN: PSCIFQ; ISSN: 1344-7661  
PB Japanese Peptide Society  
DT Journal  
LA English

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:32517 HCAPLUS  
TI Development in study of SDF-1/CXCR4 and prostate cancer  
AU Cai, Jian; Wang, Jia  
CS Department of Urology, West China Hospital, Sichuan University, Chengdu, Sichuan, 610041, Peop. Rep. China  
SO Huaxi Yixue (2006), 21(3), 647-649  
CODEN: HUYIFS; ISSN: 1002-0179  
PB Sichuan Daxue Huaxi Yiyuan  
DT Journal; General Review  
LA Chinese

L17 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:1295563 HCAPLUS  
DN 146:334370  
TI Inhibitors of CXCR4 affect the migration and fate of CXCR4+ progenitors in the developing limb of chick embryos  
AU Yusuf, Faisal; Rehimi, Rizwan; Morosan-Puopolo, Gabriela; Dai, Fangping; Zhang, Xiaobing; Brand-Saberi, Beate  
CS Institute of Anatomy and Cell Biology, Department of Molecular Embryology, University of Freiburg, Freiburg, Germany  
SO Developmental Dynamics (2006), 235(11), 3007-3015  
CODEN: DEDYEI; ISSN: 1058-8388  
PB Wiley-Liss, Inc.  
DT Journal  
LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 7 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:549049 HCAPLUS  
DN 145:230863  
TI Development of linear type of low molecular weight CXCR4 antagonists based on T140 analogs  
AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Masuno, Hiroyuki; Mizokami, Satoko; Hiramatsu, Kenichi; Wang, Zixuan; Trent, John O.; Nakashima, Hideki; Yamamoto, Naoki; Peiper, Stephen C.; Fujii, Nobutaka  
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Tokyo, 101-0062, Japan  
SO Organic & Biomolecular Chemistry (2006), 4(12), 2354-2357  
CODEN: OBCRAK; ISSN: 1477-0520  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 145:230863

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:248559 HCAPLUS  
TI Discovery of novel nonpeptide CXCR4 antagonists  
AU Zhan, Weiqiang; Liang, Zhongxing; Snyder, James P.; Liotta, Dennis C.; Shim, Hyunsuk  
CS Department of Chemistry, Emory University, Atlanta, GA, 30322, USA

SO Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), MEDI-408 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69HYEC  
DT Conference; Meeting Abstract; (computer optical disk)  
LA English

L17 ANSWER 9 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:1257183 HCAPLUS  
DN 144:342851  
TI The therapeutic potential of CXCR4 antagonists in the treatment of HIV infection, *cancer* metastasis and rheumatoid arthritis  
AU Tamamura, Hirokazu; Fujii, Nobutaka  
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan  
SO Expert Opinion on Therapeutic Targets (2005), 9(6), 1267-1282  
CODEN: EOTTAO; ISSN: 1472-8222  
PB Ashley Publications Ltd.  
DT Journal; General Review  
LA English

RE.CNT 92 THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:575920 HCAPLUS  
DN 143:259662  
TI The chemokine receptor CXCR4 as a therapeutic target for several diseases including AIDS, *cancer* and rheumatoid arthritis  
AU Tamamura, Hirokazu; Hiramatsu, Kenichi; Ueda, Satoshi; Araki, Takanobu; Takenaga, Mitsuko; Igarashi, Rie; Hori, Akira; Kanzaki, Naoyuki; Fujisawa, Miho; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka  
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, 606-8501, Japan  
SO Peptide Science (2005), Volume Date 2004, 41st, 121-122  
CODEN: PSCIFQ; ISSN: 1344-7661  
PB Japanese Peptide Society  
DT Journal  
LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 11 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:111434 HCAPLUS  
DN 143:41632  
TI Invasive characteristics of human prostatic epithelial cells: understanding the metastatic process  
AU Hart, C. A.; Brown, M.; Bagley, S.; Sharrard, M.; Clarke, N. W.  
CS PromPT Genito-Urinary Cancer Research, Cancer Research UK Paterson Institute for Cancer Research, Christie Hospital NHS Trust, Manchester, M20 4BX, UK  
SO British Journal of Cancer (2005), 92(3), 503-512  
CODEN: BJCAAI; ISSN: 0007-0920  
PB Nature Publishing Group  
DT Journal  
LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 12 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:857337 HCAPLUS.  
DN 141:343466  
TI CXCR4 antagonists and methods of their use  
IN Shim, Hyunsuk; Liang, Zhongxing; Umbreit, Jay; Taichman, Russel; Goodmann, Mark

PA Emory University, USA  
SO PCT Int. Appl., 95 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087068	A2	20041014	WO 2004-US9570	20040326
	WO 2004087068	A3	20060202		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2520406	A1	20041014	CA 2004-2520406	20040326
	EP 1608318	A2	20051228	EP 2004-758528	20040326
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	JP 2006524242	T	20061026	JP 2006-509429	20040326
PRAI	US 2003-458217P	P	20030327		
	WO 2004-US9570	W	20040326		

L17 ANSWER 13 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:522558 HCAPLUS  
DN 141:87609  
TI Identification of a CXCR4 antagonist, a T140 analog, as an anti-rheumatoid arthritis agent  
AU Tamamura, Hirokazu; Fujisawa, Miho; Hiramatsu, Kenichi; Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka  
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Sakyo-ku, Kyoto, 606-8501, Japan  
SO FEBS Letters (2004), 569(1-3), 99-104  
CODEN: FEBLAL; ISSN: 0014-5793  
PB Elsevier Science B.V.  
DT Journal  
LA English  
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 14 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:314083 HCAPLUS  
DN 141:253881  
TI CXCR4 antagonists identified as anti-cancer-metastatic agents  
AU Tamamura, Hirokazu; Hori, Akira; Kanzaki, Naoyuki; Hiramatsu, Kenichi; Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka  
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, 606-8501, Japan  
SO Peptide Science (2003), Volume Date 2004, 40th, 65-68  
CODEN: PSCIFQ; ISSN: 1344-7661  
PB Japanese Peptide Society  
DT Journal  
LA English  
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 15 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:870129 HCAPLUS  
DN 140:58115  
TI Functional expression of CXCR4 (CD184) on small-cell lung **cancer**  
cells mediates migration, integrin activation, and adhesion to stromal  
cells  
AU Burger, Meike; Glodek, Aleksandra; Hartmann, Tanja; Schmitt-Graeff,  
Anette; Silberstein, Leslie E.; Fujii, Nobutaka; Kipps, Thomas J.; Burger,  
Jan A.  
CS Department of Internal Medicine, Freiburg University Hospital, Freiburg,  
Germany  
SO Oncogene (2003), 22(50), 8093-8101  
CODEN: ONCNES; ISSN: 0950-9232  
PB Nature Publishing Group  
DT Journal  
LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 16 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 2003:646443 HCAPLUS  
DN 139:285889  
TI T140 analogs as CXCR4 antagonists identified as anti-metastatic  
agents in the treatment of breast **cancer**  
AU Tamamura, Hirokazu; Hori, Akira; Kanzaki, Naoyuki; Hiramatsu, Kenichi;  
Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii,  
Nobutaka  
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Sakyo-ku,  
Kyoto, 606-8501, Japan  
SO FEBS Letters (2003), 550(1-3), 79-83  
CODEN: FEBLAL; ISSN: 0014-5793  
PB Elsevier Science B.V.  
DT Journal  
LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 08:53:54 ON 27 JUN 2007)

FILE 'REGISTRY' ENTERED AT 08:54:22 ON 27 JUN 2007

L1 0 S [RKXAE] [RE] [X] [FWY] CY [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XER]  
L2 0 S [RKXAE] [RE] X [FWY] CY [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XERK]  
L3 301 S [RKXAE] [RE] [FWY] [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XERK] [RE]  
L4 0 S L3 AND SQL<15  
L5 1 S L3 AND SQL<20  
L6 4 S L3 AND SQL<30

FILE 'HCAPLUS' ENTERED AT 08:59:21 ON 27 JUN 2007

L7 4 S L6  
L8 0 S L7 AND CXCR4 (W) ANTAGONIST  
L9 247 S CXCR4 (W) ANTAGONIST  
L10 1 S T140 (W) PEPTIDE  
L11 81 S T140  
L12 4129 S CXCR4  
L13 65 S L11 AND L12  
L14 8 S L13 AND RHEUMATOID (W) ARTHRITIS  
L15 16 S L13 AND CANCER  
L16 0 S L11 AND (RHEUMAOTID (W) ARTHRITIS)  
L17 16 S L11 AND CANCER